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OKLAHOMA PL-566

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# '72 WATERSHED REPORT



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U.S. DEPARTMENT OF AGRICULTURE  
Soil Conservation Service  
Stillwater, Oklahoma  
September, 1972

CATALOGING - PREP.

STATUS OF PL-566 WATERSHEDS IN OKLAHOMA  
July 1972

PL-566

Projects Completed - - - - -	6
Approved for Operations - - - - -	45
Approved for Operations (inactive) - - -	8
Authorized for Planning - - - - -	10
Applications Pending - - - - -	<u>43</u>
Total Number of Projects - - - - -	112
Total Acres - - - - -	11,887,096

STRUCTURAL MEASURES

	FLOODWATER RETARDING STRUCTURES		:	CHANNEL	
	Planned	:	Completed	:	Planned : Completed
PL-566	1,337		620		349.3 66.50
Pilot	<u>6</u>		<u>6</u>		- -
TOTAL	1,343		626		349.3 66.50



## FOREWORD

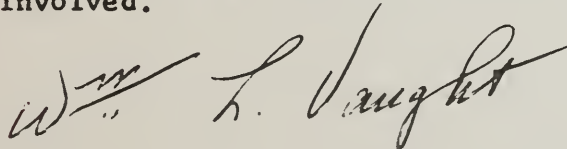
This progress report is published to keep agencies of government, planners, and individuals informed of the status of PL-566 project activities in Oklahoma.

These upstream watershed projects are developed by local people with assistance of the Soil Conservation Service and other state and federal agencies.

The objectives of these projects are to reduce sediment and floodwater damages, develop solutions to water and land resource needs such as municipal water, recreation, fish and wildlife, and irrigation as well as to improve the economic level of the community.

These projects play a significant role in the development of rural America and provide benefits to many urban areas.

The SCS and the watershed sponsors are making every effort in the planning of new projects to include ideas of people representing all interests in order that the completed project plan is one that will provide the best environment for the most people involved.

A handwritten signature in dark ink, appearing to read "Wm. L. Daugherty". The signature is fluid and cursive, with a large, sweeping "D" and a long, horizontal stroke at the end.

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PROJECTS COMPLETED  
PL-566





Bear, Fall and Coon Creeks Watershed (Lincoln, Logan and  
Oklahoma Counties)

Sponsors: Logan County Conservation District  
Lincoln County Conservation District  
Oklahoma County Conservation District  
Bear, Fall and Coon Creeks Water and Soil  
Conservancy District No. 4

Authorized for Planning: April 15, 1955

Authorized for Operations: June 26, 1958

Completion Date: June 30, 1967

Measures Installed:

1 multipurpose structure with irrigation  
30 floodwater retarding structures

Big Wewoka Creek Watershed (Pottawatomie, Seminole and  
Hughes Counties)

Sponsors: Shawnee Conservation District  
Seminole County Conservation District  
Hughes County Conservation District  
Wewoka Creek Water and Soil Conservancy  
District No. 2

Authorized for Planning: February 9, 1955

Authorized for Operations: June 21, 1956

Completion Date: June 30, 1968

Measures Installed:

1 multipurpose structure with wildlife  
41 floodwater retarding structures

Fourche Maline Creek Watershed (Latimer and LeFlore Counties)

Sponsors: Latimer County Conservation District  
LeFlore County Conservation District  
City of Wilburton  
Wilburton Public Works Authority  
Fourche Maline Conservancy District No. 10  
Oklahoma Industrial Development and Parks Department  
Oklahoma Department of Wildlife Conservation

Authorized for Planning: August 26, 1958

Authorized for Operations: August 29, 1960

Completion Date: June 30, 1972

Measures Installed:

- 1 multipurpose structure with municipal water (site 7)
- 1 multipurpose structure with recreation-wildlife water
- 12 floodwater retarding structures

Little Wewoka - Graves Creek Watershed (Hughes, Seminole and Okfuskee Counties)

Sponsors: Hughes County Conservation District  
Seminole County Conservation District  
Okfuskee County Conservation District  
Wewoka Creek Water and Soil Conservancy District No. 2

Authorized for Planning: February 9, 1955

Authorized for Operations: June 21, 1956

Completion Date: June 30, 1972

Measures Installed:

- 16 floodwater retarding structures

Timber Creek Watershed (Beckham and Roger Mills Counties)

Sponsors: North Fork of Red River Conservation District  
Upper Washita Conservation District  
Timber Creek Conservancy District

Authorized for Planning: September 11, 1959

Authorized for Operations: August 31, 1960

Completion Date: June 30, 1968

Measures Installed:

7 floodwater retarding structures

Whitegrass-Waterhole Creek Watershed (McCurtain County)

Sponsors: Valliant Conservation District  
Little River Conservation District  
Whitegrass-Waterhole Water and Soil Conservancy District

Authorized for Planning: April 30, 1957

Authorized for Operations: July 25, 1958

Completion Date: June 30, 1967

Measures Installed:

9 floodwater retarding structures

Pilot Watershed

Double Creek Watershed (Osage and Washington Counties)

Sponsors: Caney Valley Conservation District  
Osage County Conservation District  
Kansas-Oklahoma Caney Watershed Council of Conservation  
Districts

Authorized for Operations: November 1, 1954

Measures Installed:

6 floodwater retarding structures



PROJECTS APPROVED FOR OPERATIONS  
PL-566





Brushy-Peaceable Creeks Watershed (Pittsburg and Latimer Counties)

Sponsors: Pittsburg County Conservation District  
Brushy-Peaceable Creeks Conservancy District  
City of McAlester

Size: 212,912 acres

Authorized for Planning: November 22, 1965

Authorized for Operations: May 28, 1970

Estimated Total Cost of Project:

a. Federal	\$3,675,304
b. Other	<u>2,228,273</u>
Total	\$5,903,577

Land Treatment:

- a. Percent of land adequately treated: 64
- b. Percent of planned measures applied: 70

Watershed Problems:

Floodwater and sediment damage to agricultural land

Need for municipal water and recreation for the city of McAlester

Project Purposes:

- Flood prevention
- Municipal water
- Wildlife land development

Structural Measures Planned:

- 2 multipurpose structures with municipal water
- 44 floodwater retarding structures

Structural Measures Installed:

None

Easement Status:

- 27 percent of easements secured
- 13 sites cleared

Acres Flood Plain Protected by Project: 17,276

Effectiveness of Project:

The easement drive was launched October 1970. A watershed tour of two nearly completed watershed projects and a special Rural-Urban Watershed Meeting have resulted in gaining considerable additional support.

Annual benefits to the structures will be: Flood prevention, recreation, more intensive land use, municipal water and redevelopment of rural areas.

Cane Creek Watershed (Muskogee and Okmulgee Counties)

Sponsors: Okmulgee County Conservation District  
Muskogee County Conservation District  
Cane Creek Conservancy District

Size: 101,755 acres

Authorized for Planning: June 6, 1958

Authorized for Operations: September 8, 1961

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,488,996
b. Other	<u>1,673,793</u>
Total	\$3,162,789

Land Treatment:

a. Percent of land adequately treated: 72  
b. Percent of planned measures applied: 68

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Flooding of state and federal highways and county roads  
Flood hazards to bridges of roads and railroads

Project Purpose:

Flood prevention

Structural Measures Planned:

28 floodwater retarding structures

Structural Measures Installed:

18 floodwater retarding structures

Easement Status:

117 of 180 total easements secured

Acres Flood Plain Protected by Project: 7,399

Effectiveness of Project:

Structures built to date have prevented flooding on the main stem of Cane Creek. Runoff from several rains, which would otherwise have caused flooding, has been confined to the channel. Landowners, county commissioners and others have made many comments about the reduced flooding. No major flood has occurred on the main stem of the creek since the first ten structures were built.

One site has been made available as a standby water supply for Boynton. One site is leased to a sportsmen club. Owners are making use of sediment pool storage for irrigating gardens, supplying water for farmsteads, stock water, fishing, channel catfish production, etc.

Caney Creek Watershed (Atoka and Bryan Counties)

Sponsors: Atoka County Conservation District  
Bryan County Conservation District  
Lower Clear Boggy Conservancy District

Size: 20,541 acres

Authorized for Planning: February 15, 1957

Authorized for Operations: July 17, 1963

Estimated Total Cost of Project:

a. Federal	\$586,357
b. Other	370,386
Total	<u>\$956,743</u>

Land Treatment:

a. Percent of land adequately treated: 65  
b. Percent of planned measures applied: 85

Watershed Problems:

Frequent and severe flooding

Project Purpose:

Flood prevention

Structural Measures Planned:

14 floodwater retarding structures  
1 mile of outlet channel

Structural Measures Installed:

11 floodwater retarding structure  
0.8 mile of outlet channel  
Sites 1 and 12 and 0.2 mile of outlet channel are  
under construction

Easement Status:

Efforts are being made to clear site 5 but no easements  
signed

Acres of Flood Plain Protected by Project: 2,222 acres

Effectiveness of Project:

Unofficial report of 4 to 7 inches of rain fell over the watershed in 1967, 1968, 1969, 1970 and 1971. No structures flowed through the emergency spillway. All planned structures are complete on the main stream of Caney Creek above the point where Limestone Creek and Caney Creek merge. Only minor flooding occurred on the main stream above this point. Flooding did occur below the two creeks.

Caney-Coon Creek Watershed (Coal County)

Sponsors: Coal County Conservation District  
City of Coalgate

Size: 23,571 acres

Authorized for Planning: January 28, 1959

Authorized for Operations: September 9, 1959

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$315,743
b. Other	<u>480,615</u>
Total	\$796,358

Land Treatment:

- a. Percent of land adequately treated: 61
- b. Percent of planned measures applied: 65

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Interruption of travel on State Highways 3 and 31, and  
to the Coalgate cemetery road  
Need for municipal water for city of Coalgate

Project Purposes:

Flood prevention  
Municipal water

Structural Measures Planned:

- 1 multipurpose structure with municipal water
- 2 floodwater retarding structures

Structural Measures Installed:

- 1 multipurpose structure

Easement Status:

1 site clear for construction  
13 of 20 easements on the remaining site have been secured  
Sponsors are now negotiating with one of the landowners  
for the purchase of a tract of land involved in this site  
This site is expected to be cleared in the near future

Acres Flood Plain Protected by Project: 765

Effectiveness of Project:

Cannot be measured until completion of remaining two  
structures.



Canyon View Watershed (Canadian County)

Sponsors: Central North Canadian River Conservation District

Size: 8,180 acres

Authorized for Planning: April 10, 1967

Authorized for Operations: June 27, 1968

Estimated Total Cost of Project:

a. Federal	\$283,456
b. Other	<u>154,804</u>
Total	\$437,260

Land Treatment:

a. Percent of land adequately treated: 92

b. Percent of planned measures applied: 75

Watershed Problems:

Floodwater and sediment damage to agricultural lands and county roads

Project Purposes:

Flood prevention

Structural Measures Planned:

4 single purpose floodwater retarding structures

1.92 acres of waterway

Structural Measures Installed:

Contracts are let and construction started on two structures

Construction plans are complete on the remainder of the structural measures

Easement Status:

All landrights or options have been obtained and recorded

Acres Flood Plain Protected by Project: 564

Effectiveness of Project:

The project when complete will control the floodwaters in the flood plain area with major benefits being received by both private and public properties. Recreation will be provided in lakes formed by structures and wildlife habitats developed around structures.

Caston Mountain Creek Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District  
Caston-Mountain Creeks Conservancy District No. 2  
Town of Wister

Size: 47853 acres

Authorized for Planning: March 22, 1965

Authorized for Operations: October 12, 1966

Estimated Total Cost of Project:

a. Federal	\$1,851,000
b. Other	387,700
Total	<u>\$2,238,700</u>

Land Treatment:

- a. Percent of land adequately treated: 66
- b. Percent of planned measures applied: 76

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Flood protection from town of Wister, Oklahoma

Project Purposes:

Flood prevention

Structural Measures Planned:

5 floodwater retarding structures

Structural Measures Installed:

Construction complete on site No. 1

Easement Status:

Sites Nos. 1, 2 and 4 - easements obtained for construction  
Site No. 5 has about 70 percent of needed land acquired by  
purchase  
Site No. 3 has approximately 40 percent of land by easement

Acres Flood Plain Protected by Project: 2,668

Effectiveness of Project:

Site No. 1 has been mitigated for wildlife. Site No. 1 helped  
prevent a major flood disaster to the east part of the town of  
Wister, Oklahoma during an 8-inch rain on December 9, 1971.  
Sites Nos. 2 and 4 are under construction.



Cotton-Coon-Mission Creek Watershed (Nowata, Osage and Washington  
Counties, Oklahoma; Chautauqua  
County, Kansas)

Sponsors: Conservancy District No. 26  
Caney Valley Conservation District  
Nowata County Conservation District  
Osage County Conservation District  
City of Dewey  
Town of Wann  
Chautauqua County Soil Conservation District, Kansas

Size: 198,170 acres

Authorized for Planning: November 16, 1964

Authorized for Operation: April 1, 1969

Estimated Total Cost of Project:

a. Federal	\$2,185,859
b. Other	2,280,269
Total	<u>\$4,466,128</u>

Land Treatment:

a. Percent of land adequately treated: 60  
b. Percent of planned measures applied: 78

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Need for municipal water for town of Wann and city of Dewey  
Need for water-based recreation development for city of  
Dewey and nearby cities and communities

Project Purposes:

Flood prevention  
Recreation  
Municipal water

Structural Measures Planned:

1 multipurpose structure with recreation and municipal water  
1 multipurpose structure with municipal water  
13 floodwater retarding structures

Structural Measures Installed:

None

Easement Status:

2 sites are cleared for construction  
16 of 79 total easements have been secured

Acres Flood Plain Protected by Project: 5,392

Effectiveness of Project:

No structures installed at this date

Cottonwood Creek Watershed (Kingfisher, Logan, Canadian and Oklahoma Counties)

Sponsors: Cottonwood Creek Conservancy District No. 11  
Kingfisher County Conservation District  
Logan County Conservation District  
Canadian County Conservation District  
Oklahoma County Conservation District

Size: 242,470 acres

Authorized for Planning: September 26, 1960

Authorized for Operations: October 4, 1962

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$3,761,755
b. Other	<u>1,649,595</u>
Total	\$5,411,350

Land Treatment:

- a. Percent of land adequately treated: 70
- b. Percent of planned measures applied: 80

Watershed Problems:

Floodwater and sediment damage to agricultural lands, county roads, bridges and the city of Guthrie

Project Purposes:

Flood prevention  
Recreation

Structural Measures Planned:

Because of urbanization in the upper area of the watershed the work plan is being revised to delete structures with excessive problems

Structural Measures Installed:

13 dams have been built  
3 are scheduled for construction in fiscal year 1973

Easement status:

141 of 285 easements have been obtained  
18 sites completely cleared  
10 sites lack one easement

Acres Flood Plain Protected by Project: 16,000

Effectiveness of Project:

Although no severe flooding rains have occurred on the watershed since 1965, rain did occur in 1967 which caused flooding on Deer Creek and Chisholm Creek. No flooding occurred on Cottonwood above Deer Creek. It was evident that this protection was due to five flood retarding structures on the headwaters of Cottonwood Creek. Some sites are being developed into excellent recreation facilities to meet this increasing demand.

Deep Red-Run-Coffin Creek Watershed (Tillman, Kiowa and Comanche Counties)

Sponsors: Tillman County Conservation District  
Kiowa County Conservation District  
Comanche County Conservation District  
City of Frederick

Size: 58,600

Authorized for Planning: December 9, 1969

Authorized for Operations: June 29, 1971

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,388,563
b. Other	<u>1,687,894</u>
Total	\$3,076,457

Land Treatment:

Percent of land adequately treated: 75

Watershed Problems:

Need for municipal water and recreation for city of Frederick

Floodwater and sediment damage to agricultural land

Project Purposes:

Watershed protection, flood prevention, recreation and municipal water supply for city of Frederick

Structural Measures Planned:

1 multipurpose structure with municipal water and recreation

1 multipurpose structure with municipal water

Structural Measures Installed:

None

Easement Status:

City of Frederick has voted bonds to purchase landrights for two multipurpose structures

Acres Flood Plain Protected by Project: 573

Effectiveness of Project:

No structures have been installed to date



Delaware Creek Watershed (Atoka, Coal, Johnston and Pontotoc Counties)

Sponsors: Atoka County Conservation District  
Bryan County Conservation District  
Coal County Conservation District  
Johnston County Conservation District  
Lower Clear Boggy Conservancy District

Size: 50,016 acres

Authorized for Planning: September 26, 1960

Authorized for Operations: October 4, 1962

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,415,975
b. Other	322,745
Total	<u>\$1,738,720</u>

Land Treatment:

- a. Percent of land adequately treated: 62
- b. Percent of planned measures applied: 87

Watershed Problems:

Frequent and severe flooding

Project Purpose:

Flood prevention and recreation

Structural Measures Planned:

14 floodwater retarding structures

Structural Measures Installed:

12 floodwater retarding structures

Easement Status:

Site 4 - six easements required, three signed

Site 14A - two easements required, one signed

Acres Flood Plain Protected by Project: 7,208

Effectiveness of Project:

Unofficial reports of 5-9 inches of rain occurred on the above watershed in springs of 1967, 1968, 1969, 1970 and 1971. There was major flooding on the main stream below Sandy and Walnut Creeks. None of the structures flowed through emergency spillways. Structures have been effective on the upper end of the creek where all planned structures are in place. Site 9 is partially located on Camp Simpson, a Boy Scout Camp. Facilities for all waterfront scouting activities have been developed. These facilities include canoeing, boating, swimming, life saving and fishing. Available information indicated that in 1971 there were 6,025 recreation days of use by scouts at this site.

Fitzgerald and Soldier Creeks Watershed (Logan County)

Sponsors: Logan County Conservation District  
Fitzgerald-Soldier Creek Conservancy District  
Joint Board of Administration for the Board of  
Regents for Oklahoma A&M College  
Langston Public Works Authority  
Coyle Public Works Authority

Size: 19,776 acres

Authorized for Planning: November 22, 1965

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$688,904
b. Other	<u>114,681</u>
Total	\$803,585

Land Treatment:

- a. Percent of land adequately treated: 88
- b. Percent of Planned measures applied: 77

Watershed Problems:

Protection from sediment and scour damage to 1672 acres of agricultural lands, damage to farm properties, roads, bridges and reduction of flooding in the town of Coyle

Project Purposes:

Flood prevention  
Municipal water

Structural Measures Planned:

- 1 multipurpose structure with municipal water
- 4 floodwater retarding structures

Structural Measures Installed:

Site 3M multipurpose structure, a water supply for Langston College and the town of Langston, has been completed with funds other than PL-566

Easement Status:

- 15 of the 18 needed land easements are recorded
- 6 of 7 utility permits obtained

Acres Flood Plain Protected by Project: 1672

Effectiveness of Project:

When installed, this project will prevent flood to bottom land and the town of Coyle, and furnish municipal water for the city of Langston and Langston University. The sponsor has requested the use of cost-share funds to develop basic recreation facilities around the multipurpose structure. This proposal has been approved and planning is now in progress.

Four Mile Creek Watershed (Canadian County)

Sponsors: East Canadian County Conservation District  
Central North Canadian Conservation District  
City of El Reno

Size: 15,360 acres

Authorized for Planning: August 9, 1963

Authorized for Operations: September 25, 1964

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$ 753,738
b. Other	385,341
Total	<u>\$1,139,079</u>

Land Treatment:

- a. Percent of land adequately treated: 90
- b. Percent of planned measures applied: 85

Watershed Problems:

Floodwater and sediment damage to agricultural lands, county roads, and the city of El Reno

Project Purpose:

Flood Prevention and Recreation

Structural Measures Planned:

- 1 multipurpose flood prevention structure for recreation
- 4.8 miles of channel improvement

Structural Measures Installed:

- Multipurpose structure
- Channel No. 1 completed
- Lower segment of channel No. 2 near completion

Easement Status:

Land easements and rights-of-way acquired (Upper segment of Channel No. 2)

Acres Flood Plain Protected by Project: 3,053 acres

Effectiveness of the Project:

A large flooding rain occurred in June 1970 after completion of Channel No. 1 and no flooding was experienced along this channel. The multipurpose structure, Lake El Reno, with recreation features provides excellent recreation facilities for the people of El Reno and surrounding area. Some of the highlights were its selection for one of the lakes for the state fishing championship contest; an annual youth fishing derby with approximately 2000 participants; the annual Fourth of July fireworks and performance with 5000 to 6000 visitors. The 21st Annual International Land, Range and Pasture Judging Contest was held at this lake with 2500 contestants and visitors. Also, the annual American Indian Pow-Wow is held here with as many as 2500 visitors from all over the United States. Many of the people in El Reno and surrounding area just drive through to enjoy the beauty of the project.



Frogville Creek Watershed (Choctaw County)

Sponsors: Frogville Conservancy District No. 1  
Kiamichi Conservation District

Size: 9, 171 acres

Authorized for Planning: January 14, 1963

Authorized for Operations: October 21, 1965

Estimated Total Cost of Project:

a. PL-566 Funds	\$424,865
b. Other	362,499
Total	<u>\$787,364</u>

Land Treatment:

- a. Percent of land adequately treated: 68
- b. Percent of planned measures applied: 100

Watershed Problems:

Frequent flooding of bottomland soils and drainage of inherently wet land

Project Purposes:

Flood prevention and drainage

Structural Measures Planned:

- 2 floodwater retarding structures
- 11.94 miles of main channels and laterals

Structural Measures Installed:

- 2 floodwater retarding structures
- 11.94 miles of channels completed

Easement Status:

All sites and channels cleared

Acres Flood Plain Protected by Project: 3650

Effectiveness of Project:

Completed detention structures and channels have been very effective. Thirteen inches of rain fell between December 1 and 14, 1971, and channels flowed at or near capacity. In most cases, emergency spillways were used. Within 24 hours the water was back in channels and fields were relatively free of any standing water. Very little damage was done to project measures or agricultural land. The channels have provided farmers with outlets which they are readily using to improve their own private drainage systems.

The economy of the area has been considerably increased with the reduction of flooding and standing water.

Garrison Creek Watershed (Sequoyah County)

Sponsors: Garrison Creek Conservancy District  
Sequoyah County Conservation District

Size: 21,521 acres

Authorized for Planning: February 15, 1965

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$696,233
b. Other	<u>337,334</u>
Total	\$1,033,567

Land Treatment:

a. Percent of land adequately treated:	20
b. Percent of planned measures applied:	85

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Agricultural water management

Project Purposes:

Flood prevention and agricultural water management

Structural Measures Planned:

4 Floodwater retarding structures  
19.11 miles of channel improvement

Structural Measures Installed:

None

Easement Status:

Have 13 of the 47 total easements

Acres of Flood Plain Protected: 6,750

Effectiveness of the Project:

The need still exists; however, the enthusiasm diminished from planning to approval. Additional interest is being expressed at present by local sponsors.

Jack Creek Watershed (Tillman and Comanche Counties)

Sponsors: Tillman County Conservation District  
Comanche County Conservation District  
Jack Creek Conservancy District

Size: 45,709 acres

Authorized for Planning: September 19, 1966

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 funds	\$1,243,759
b. Other	<u>738,563</u>
Total	\$1,982,322

Land Treatment:

a. Percent of land adequately treated: 60  
b. Percent of planned measures applied: 75

Watershed Problems:

Floodwater damage to agricultural land

Project Purposes:

Flood prevention (irrigation on site 3)

Structural Measures Planned:

10 single-purpose retarding structures  
1 multipurpose structure  
1 release channel

Structural Measures Installed:

None

Easement Status:

6 sites are cleared for construction (2A, 2B, 3, 7, 8, 9)  
(detailed plan needed)  
90 percent of easements secured

Acres Flood Plain Protected by Project: 3,985

Effectiveness of Project:

No installations installed to date.

Kadashan Bottom Watershed (Wagoner County)

Sponsors: Wagoner County Conservation District  
Kadashan Conservancy District

Size: 9,326 acres

Authorized for Planning: September 23, 1968

Authorized for Operation: December 2, 1971

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$526,277
b. Other	325,055
Total	<u>\$851,332</u>

Land Treatment:

a. Percent of land adequately treated: 55

b. Percent of practices applied: 60

Watershed Problems:

Flood damages to crops, pasture, farm property and  
public roads

Lack of adequate conservation treatment

Inadequate channels

Lack of conservation, development and utilization of  
fish and wildlife resources

Project Purpose:

Flood prevention

Structural Measures Planned:

6 floodwater retarding structures

5.6 miles of channel improvement

Structural Measures Installed:

None

Easement Status:

1 site cleared for construction

4 easements secured

43 easements remaining

Acres Flood Plain Protected by Project:

2,089

Effectiveness of Project:

No structures installed at this date.



Lambert Creek Watershed (Alfalfa County)

Sponsors: Alfalfa County Conservation District  
Lambert Creek Conservancy District

Size: 7,448 acres

Authorized for Planning: October 5, 1964

Authorized for Operations: November 24, 1965

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$317,574
b. Other	159,360
Total	<u>\$476,934</u>

Land Treatment:

- a. Percent of land adequately treated: 64
- b. Percent of planned measures applied: 83

Watershed Problems:

Floodwater damage, floodplain scour, sediment and erosion  
damage to agricultural and nonagricultural land

Project Purpose:

Flood prevention

Structural Measures Planned:

- 2 floodwater retarding structures
- 7.3 miles channel improvement

Structural Measures Installed:

- 2 floodwater retarding structures
- Segment No. 1 channel improvement under construction

Easement Status:

All easements and rights-of-way have been secured  
Construction on segment No. 2 of channel improvement is  
anticipated this year

Acres Flood Plain Protected by Project: 583 acres

690 acres of benefited area outside the watershed

Effectiveness of Project:

The two sites completed are dry lakes which increase their  
effectiveness for flood prevention.

Leader-Middle Clear Boggy Creek Watershed (Pontotoc and Coal Counties)

Sponsors: Coal County Conservation District  
Pontotoc County Conservation District  
Upper Clear Boggy Conservancy District No. 5

Size: 107,968 acres

Authorized for Planning: June 6, 1958

Authorized for Operations: August 29, 1960

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,156,349
b. Other	<u>1,413,584</u>
Total	\$2,569,933

Land Treatment:

- a. Percent of land adequately treated: 36
- b. Percent of planned measures applied: 48

Watershed Problems:

Floodwater and sediment damage to agricultural lands  
Interruption of travel on State Highways 3 and 31  
Flood damage to county roads and bridges

Project Purpose:

Flood prevention

Structural Measures Planned:

43 floodwater retarding structures

Structural Measures Installed:

32 floodwater retarding structures

Easement Status:

One site is clear for construction  
123 of 241 easements have been secured

Acres Flood Plain Protected by Project: 7,172

Effectiveness of Project:

Effectiveness is limited due to only 37 percent control.  
Landowners and operators within the watershed estimate  
the degree of flooding has decreased. Land improvement  
in bottom lands and upland is increasing, more fertilizer  
is being used and other improvements are being made  
resulting in economic gains for the area.



Little Deep Fork Creek Watershed (Lincoln, Creek and Okmulgee  
Counties)

Sponsors: Creek County Conservation District  
Lincoln County Conservation District  
Okmulgee County Conservation District  
Little Deep Fork Conservancy District No. 1

Size: 167,488 acres

Authorized for Planning: April 15, 1955

Authorized for Operations: April 3, 1958

Estimated Total Cost of Project:

a. Public Law 566 Fund	\$1,575,051
b. Other	<u>1,893,144</u>
Total	\$3,468,195

Land Treatment:

- a. Percent of land adequately treated: 68
- b. Percent of planned measures applied: 77

Watershed Problems:

Floodwater and sediment damage to agricultural land

Project Purposes:

- Flood prevention
- Sediment and pollution control

Structural Measures Planned:

- 56 floodwater retarding structures
- 5.8 miles of channel improvement

Structural Measures Installed:

- 52 floodwater retarding structures
- 5.8 miles of channel improvement

Easement Status:

A work plan supplement adding four sites was approved and all easements secured. Construction of these sites will be completed in fiscal year 1973

Acres Flood Plain Protected by Project: 13,200

Effectiveness of Project:

Bottom land fields are being restored to cultivation and tame pasture. Spring rains of 1969 and 1970 produced only minor flooding along last four miles of the flood plain. A minor flood occurred along the last three miles of flood plain during December 1971. Recreation in the form of fishing, skiing, boating, swimming and picnicking is prevalent on most of the structures.

Lost-Duck Creeks Watershed (Kay County)

Sponsors: Western Kay County Conservation District  
Arkansas River-Kay County Conservation District  
Lost Creek Conservancy District No. 1  
Duck Creek Conservancy District No. 1

Size: 55,040 acres

Authorized for Planning: February 12, 1968

Authorized for Operations: June 18, 1970

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,579,949
b. Other	990,426
Total	<u>\$2,570,375</u>

Land Treatment:

- a. Percent of land adequately treated: 62
- b. Percent of planned measures applied: 65

Watershed Problems:

Problems include a lack of conservation treatment on the land, inadequate channels, and flood damages to crops, pastures, farm property, railroad property, public roads, culverts and bridges

Project Purposes:

Flood Prevention

Structural Measures Planned:

- 12 floodwater retarding structures
- 12.75 (approximately) miles channel improvement

Structureal Measures Installed:

None

Easement Status:

No sites are cleared for construction and 32 of 60 total easements have been secured. None of 39 rights-of-way have been secured

Acres Flood Plain Protected by Project: 9,654

Effectiveness of Project:

Contracting or construction has not started on this project. When installed, this project will reduce sediment yield from the watershed and reduce flood damages on 9,654 acres of flood plain below the structure locations.

Lower Bayou Creek Watershed (Love and Carter Counties)

Sponsors: Love County Conservation District  
Arbuckle Conservation District

Size: 95,448 acres

Authorized for Planning: June 26, 1961

Authorized for Operations: June 17, 1964

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$4,582,377
b. Other	<u>1,250,665</u>
Total	\$5,833,042

Land Treatment:

a. Percent of land adequately treated: 52  
b. Percent of planned measures applied: 71

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Drainage of Simon and Walnut Bayou Creek bottom land

Project Purposes:

Flood prevention and channel enlargement of principal streams

Structural Measures Planned:

19 floodwater retarding structures  
38.17 miles channel improvement

Structural Measures Installed:

2 floodwater retarding structures completed  
2 floodwater retarding structures under construction

Easement Status:

13 sites are cleared for construction  
66 of 232 easements have been secured

Acres Flood Plain Protected by Project: 13,516

Effectiveness of Project:

The land treatment program has affected the amount of runoff from the watershed. No major floods have occurred since installation of floodwater retarding structures.

Lower Black Bear Creek Watershed (Pawnee, Payne and Noble Counties)

Sponsors: Pawnee County Conservation District  
Payne County Conservation District  
Noble County Conservation District  
Black Bear Conservancy District

Size: 157,683 acres

Authorized for Planning: November 16, 1964

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,668,286
b. Other	<u>1,299,402</u>
Total	\$3,967,688

Land Treatment:

a. Percent of land adequately treated: 72  
b. Percent of planned measures applied: 55

Watershed Problems:

Floodwater damage to cropland, roads and bridges, urban area of Pawnee; sediment damage to Keystone Reservoir, sheet erosion, scour damage in flood plain and channel scour

Project Purposes:

Flood prevention  
Reduce flood damage in City of Pawnee and agricultural areas  
Amendment is being prepared to include municipal water on site No. 19 for four towns and rural water districts

Structural Measures Planned:

27 floodwater retarding structures

Structural Measures Installed:

None

Easement Status:

10 sites are cleared for construction and 100 of 175 total easements secured

Acres in Flood Plain Protected by Project: 11,921

Effectiveness of Project:

Contracting or construction has not started.



Lower Clear Boggy Creek Watershed (Atoka, Coal, Bryan, and  
Johnston Counties)

Sponsors: Atoka County Conservation District  
Coal County Conservation District  
Bryan County Conservation District  
Johnston County Conservation District  
Lower Clear Boggy Conservancy District

Size: 240,301 acres

Authorized for Planning: September 26, 1960

Authorized for Operations: March 6, 1964

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,487,929
b. Other	<u>2,979,994</u>
Total	\$5,467,923

Land Treatment:

- a. Percent of land adequately treated: 47
- b. Percent of planned measures applied: 76

Watershed Problems:

Frequent and severe flooding

Project Purpose:

Flood prevention

Structural Measures Planned:

- 27 floodwater retarding structures
- 2.02 miles channel improvement

Structural Measures Installed:

None

Easement Status:

The supplement to the work plan is in Washington awaiting approval. No easements were obtained during the year.

Acres in Flood Plain Protected by Project: 20,443

Effectiveness of Project:

No structures built to date.



Lower Red Rock Creek Watershed (Noble and Pawnee Counties)

Sponsors: Noble County Conservation District  
Pawnee County Conservation District  
Red Rock Conservancy District

Size: 116,582 acres

Authorized for Planning: July 25, 1966

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,364,944
b. Other	<u>1,417,420</u>
Total	\$3,782,364

Land Treatment:

- a. Percent of land adequately treated: 75
- b. Percent of planned measures applied: 60

Watershed Problems:

Floodwater damage to agricultural and nonagricultural land  
Sediment damage, overbank deposition, erosion damage and  
flood plain scour

Project Purposes:

Flood Prevention

Structural Measures Planned:

26 floodwater retarding structures

Structural Measures Installed:

None

Easement Status

5 sites are cleared for construction and 42 of 120 total  
easements secured. None of 26 rights-of-way has been  
secured

Acres Flood Plain Protected by Project: 12,815

Effectiveness of Project:

No structures built to date.

Okfuskee Tributaries Watershed (Creek, Okfuskee and Okmulgee  
Counties)

Sponsors: Creek County Conservation District  
Okfuskee County Conservation District  
Okmulgee County Conservation District  
City of Okmulgee

Size: 201,575 acres

Authorized for Planning: November 22, 1965

Authorized for Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$3,447,990
b. Other	<u>2,643,385</u>
Total	\$6,091,375

Land Treatment:

a. Percent of land adequately treated: 56  
b. Percent of planned measures applied: 62

Watershed Problems:

Floodwater, drainage, scour damage and sediment damage to  
agricultural lands

Need for municipal water and recreation for town of Okmulgee

Project Purposes:

Flood prevention  
Municipal water  
Recreation and Irrigation

Structural Measures Planned:

1 multipurpose structure with recreation and municipal water  
1 multipurpose structure with irrigation water  
33 floodwater retarding structures  
14 miles channel improvement

Structural Measures Installed:

None

Easement Status:

17 sites are cleared for construction  
166 of 250 total easements secured

Acres Flood Plain Protected by Project: 11,301

Effectiveness of Project:

No installations have been made. However, the land treatment  
program has affected the amount of runoff in the watershed.  
Installation of the 35 structures and 14 miles of channel  
improvement are expected to produce annual benefits of  
\$325,062. Benefits cost ratio is 1.85 to 1. These sites will  
also provide recreation, fish and wildlife habitat, irrigation  
and municipal water for the city of Okmulgee.

Okmulgee Creek Watershed (Okmulgee County)

Sponsors: Okmulgee County Conservation District  
Okmulgee Creek Conservancy District  
City of Okmulgee  
Okmulgee County Commissioners

Size: 14,490 acres

Authorized for Planning: December 18, 1961

Authorized for Operations: June 17, 1964

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,378,086
b. Other	332,891
Total	<u>\$1,710,977</u>

Land Treatment:

a. Percent of land adequately treated:	70
b. Percent of planned measures applied:	75

Watershed Problems:

Floodwater, scour and sediment damage on agricultural land and within the city of Okmulgee

Project Purposes:

Flood prevention

Structural Measures Planned:

2 floodwater retarding structures  
3.47 miles of channel improvement

Structural Measures Installed:

2 floodwater retarding structures

Easement Status:

Easements and rights-of-way have been obtained on lower segment of channel improvement. Thirty-two of 124 easements have been acquired on middle and upper sections.

Acres Flood Plain Protected by Project: 863

Effectiveness of Project:

Major flooding has not occurred since the first structure was built in 1966. Several rains have fallen which would have produced heavy flooding in the city of Okmulgee without structures. The latest was an unofficial 8.4 inches which fell last Labor Day weekend. There was no flooding in the city of Okmulgee as a result of this rain. After completing the channel improvement, 347 acres of urban area within the city of Okmulgee will be protected from a 100-year frequency rain (flood of record).

Otter Creek Watershed (Kiowa, Tillman and Comanche Counties)

Sponsors: Kiowa County Conservation District  
Tillman County Conservation District  
Comanche County Conservation District

Size: 184,200 acres

Authorized for Planning: January 11, 1965

Authorized for Operations: August 22, 1966

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$ 801,880
b. Other	<u>2,230,045</u>
Total	\$3,031,925

Land Treatment:

- a. Percent of Land adequately treated: 65
- b. Percent of planned measures applied: 75

Watershed Problems:

Floodwater and sediment damage to agricultural lands

Project Purpose:

Flood prevention

Structural Measures Planned:

7 floodwater retarding structures

Structural Measures Installed:

None (2 structures under construction)

Easement Status:

- 5 sites cleared for construction
- 2 sites need 12 easements to clear

Acres Flood Plain Protected by Project: 7,272

Effectiveness of Project:

No structures installed to date



Paint Creek Watershed (Harper County)

Sponsors: Harper County Conservation District  
Town of Laverne

Size: 15,929 acres

Authorized for Planning: July 1968

Authorized for Operations: May 28, 1970

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$258,614
b. Other	93,502
Total	<u>\$352,116</u>

Land Treatment:

a. Percent of land adequately treated: 74  
b. Percent of planned measures applied: 70

Watershed Problems:

Floodwater and sediment damage to agricultural land

Floodwater and sediment damage to town of Laverne

Need for recreation for town of Laverne

Project Purposes:

Flood prevention

Structural Measures Planned:

1 multipurpose structure with recreation

1 floodwater retarding structure

1.04 miles channel improvement

Structural Measures Installed:

None

Easement Status:

All of easements secured

Acres Flood Plain Protected by Project: 1,478

Effectiveness of Project:

No structures installed to date



Pryor Creek Watershed (Mayes, Rogers and Craig Counties)

Sponsors: Mayes County Conservation District  
Rogers County Conservation District  
Craig County Conservation District  
Pryor Creek Conservancy District

Size: 175,488 acres

Authorized for Planning: January 6, 1967

Authorized for Operations: August 27, 1969

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,105,152
b. Other	<u>1,990,290</u>
Total	\$4,095,442

Land Treatment:

- a. Percent of land adequately treated: 55
- b. Percent of planned measures applied: 70

Watershed Problems:

Floodwater and sediment damage to agricultural land

Project Purpose:

Flood Prevention

Structural Measures Planned:

36 floodwater retarding structures

Structural Measures Installed:

None

Easement Status:

5 sites are cleared for construction

38 of 186 easements have been secured

Acres Flood Plain Protected by Project: 12,441

Effectiveness of Project:

No structures installed at this date

Quapaw Creek Watershed (Lincoln and Pottawatomie Counties)

Sponsors: Lincoln County Conservation District  
Shawnee Conservation District  
Town of Meeker  
Town of Sparks

Size: 98,560 acres

Authorized for Planning: May 20, 1963

Authorized for Operations: September 10, 1965

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$4,232,131
b. Other	<u>1,635,800</u>
Total	\$5,867,931

Land Treatment:

- a. Percent of land adequately treated: 55
- b. Percent of planned measures applied: 70

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Need for municipal water and recreation for towns of Meeker  
and Sparks

Project Purposes:

Flood prevention  
Recreation  
Municipal water

Structural Measures Planned:

- 1 multipurpose structure with recreation and municipal water
- 1 multipurpose structure with municipal water
- 42 floodwater retarding structures
- 8.8 miles channel improvement

Structural Measures Installed:

- 2 multipurpose structures
- 10 floodwater retarding structures

Easement Status:

- 2 additional sites are cleared for construction and 181 of
- 232 total easements secured

Acres Flood Plain Protected by Project: 7,208

Effectiveness of Project:

Structures built to date prevented flooding from storm of  
March 14, 1972, which was a 4-inch rain on north side of  
Quapaw Creek. Town of Meeker started using water in 1979  
(3,739 acre feet, 250 surface acres; town of Sparks, 1972,  
150 acre feet, 16 surface acres).

Rock Creek Watershed (Latimer and LeFlore Counties)

Sponsors: Talihina Conservation District  
City of Talihina

Size: 37,997 acres

Authorized for Planning: April 15, 1963

Authorized for Operations: September 10, 1965

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,224,703
b. Other	513,137
Total	<u>\$1,737,840</u>

Land Treatment:

a. Percent of land adequately treated: 63

b. Percent of planned measures applied: 70

Watershed Problems:

Floodwater and sediment damage to agricultural land

Residential and business areas in the city of Talihina

Project Purposes:

Flood prevention

Structural Measures Planned:

3 floodwater retarding structures, with one dike and one waterway as appurtenant structures to Site No. 4

Modification of Talihina municipal water supply structure to include floodwater detention storage

Structural Measures Installed:

2 floodwater retarding structures and modification of the Talihina municipal water supply structure to include floodwater detention storage

Easement Status:

Last site under construction

Acres Flood Plain Protected by Project: 3,133

Effectiveness of Project:

The three structures in place have reduced flooding.

Site No. 1 is open to the public with landowner's permission and has provided many recreational hours of fishing. Site No. 2 is leased to the Oklahoma Wildlife Conservation Department and is open to the public for fishing. The city of Talihina has a park on this site with tables for public use. Site No. 3 is stocked with catfish and the landowner plans fee fishing. Site No. 3 also provides abundant wildlife habitat.



Sallisaw Creek Watershed (Adair and Sequoyah Counties)

Sponsors: Sallisaw Creek Conservancy District  
Sequoyah County Conservation District  
Adair County Conservation District  
Cherokee County Conservation District  
City of Sallisaw  
City of Stilwell  
Stilwell Area Development Authority

Size: 185,280 acres

Authorized for Planning: September 11, 1959

Authorized for Operation: August 28, 1961

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$4,552,584
b. Other	2,379,631
Total	<u>\$6,932,215</u>

Land Treatment:

- a. Percent of land adequately treated: 49
- b. Percent of planned measures applied: 79

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Sediment deposits in Robert S. Kerr Reservoir and Navigation Channel  
Need for municipal water for cities of Sallisaw and Stilwell

Project Purposes:

Flood prevention and municipal water

Structural Measures Planned:

- 40 floodwater retarding structures
- 2 multipurpose structures with municipal water

Structural Measures Installed:

- 33 floodwater retarding structures
- 2 multipurpose structures with municipal water

Easement Status:

One additional site is cleared for construction and 71 of 119 remaining easements secured

Acres Flood Plain Protected by Project: 8,146

Effectiveness of Project:

Two periods of flooding occurred on Sallisaw Creek in October 1969 and October 1970, that would have resulted in approximately \$236,740 damages had the structures not been in place. With the number of structures in place, approximately 1,700 and 5,500 acres of flooding occurred with a total of \$25,000 in damages resulting. The structures resulted in a reduction in damages of approximately 90 percent. Private and public recreation facilities have been established on several of the structures. Four structures, in addition to multipurpose structures, are now being used for private and commercial water facilities. Irrigation water is being supplied by part of the structures with additional interest being developed as pastures are improved.

Salt Creek Watershed (Seminole and Pottawatomie Counties)

Sponsors: Salt Creek Conservancy District  
Konawa Conservation District  
Shawnee Conservation District

Size: 152,000 acres

Authorized for Planning: April 30, 1957

Authorized for Operations: March 9, 1959

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,524,180
b. Other	<u>1,336,596</u>
Total	\$3,860,776

Land Treatment:

- a. Percent of land adequately treated: 88
- b. Percent of planned measures applied: 87

Watershed Problems:

Floodwater and sediment damage to agricultural land and county roads and bridges

Project Purpose:

Flood prevention

Structural Measures Planned:

49 floodwater retarding structures

Structural Measures Installed:

34 floodwater retarding structures

Easement Status:

12 easements of 65 needed, 116 have been granted

Acres Flood Plain Protected by Project: 22,261

Effectiveness of Project:

Heavy rains fell on this watershed after 25 structures were built and filled most of the flood pools, but caused no flooding downstream. Now with 34 structures completed, the farmer downstream will realize even more protection and will pursue land improvement on protected land.



## Salt-Camp Creek Watershed (Lincoln and Creek Counties)

Sponsors: Creek County Conservation District  
Lincoln County Conservation District  
Salt-Camp Conservancy District No. 19  
City of Stroud

Size: 73,030 acres

Authorized for Planning: August 15, 1961

Authorized for Operations: March 6, 1964

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,816,707
b. Other	1,871,832
Total	<u>\$3,688,539</u>

Land Treatment:

- a. Percent of land adequately treated: 51
- b. Percent of planned measures applied: 57

Watershed Problems:

Floodwater and sediment damage to agricultural land. Need for municipal water and recreation for city of Stroud. Flood damage in fiscal year 1971 estimated at \$80,000. Flooding in September 1970 from a 7½-inch rain covered 90 percent of the entire flood plain about 3 feet deep for the last 4 miles and covered 60 percent of the flood plain over the 4-mile span above that. Another rain of 4-5 inches in October also covered much of the lower flood plain.

Project Purposes:

Flood prevention, recreation, municipal water and sediment and pollution control

Structural Measures Planned:

- 1 multipurpose structure with recreation and municipal water
- 24 floodwater retarding structures

Structural Measures Installed:

- 1 multipurpose structure

Easement Status:

- 182 easements are required on remaining 24 structures
- 2 of the easements were secured during FY 1972

Acres Flood Plain Protected by Project: 4,643

Effectiveness of Project:

One multipurpose structure is providing protection. The multipurpose structure in place protected a 2-mile area of flood plain with no flooding. The multipurpose site started providing municipal water to Stroud in June 1971 and two housing projects are planned on the basis of good, adequate water and one manufacturing firm is enlarging operations.

Sandy Creek Watershed (Pontotoc and Garvin Counties)

Sponsors: Pontotoc County Conservation District  
Garvin Conservation District  
Sandy Creek Water and Soil Conservancy District

Size: 147,243 acres

Authorized for Planning: April 15, 1955

Authorized for Operations: August 26, 1957

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,549,139
b. Other	<u>1,717,251</u>
Total	\$3,266,390

Land Treatment:

- a. Percent of land adequately treated: 66
- b. Percent of planned measures applied: 71

Watershed Problems:

Floodwater and sediment damage to agricultural land

Project Purposes:

Flood prevention

Structural Measures Planned:

33 floodwater retarding structures

Structural Measures Installed:

25 floodwater retarding structures

Easement Status:

1 additional site is cleared for construction and over 90 percent of total easements have been secured

Acres of Flood Plain Protected by Project: 12,653

Effectiveness of Project:

Detention structures have been effective on tributaries of Sandy Creek. We had a major storm in October 1970. Detention structures were effective in the fall of 1970, where they were designed on a 100-year frequency, but those structures designed for a 90-year frequency discharged, most of the flood plain was under water from a depth of 2-5 feet. The rain which fell was estimated from 12 to 15 inches over a 6-hour period. This is the greatest amount of rain that has ever fallen in this watershed according to a survey made of people who had lived in the area for 50 years. The general attitude is good concerning the program, and sponsors and people within the watershed would like to get the project completed. The people know that without the 25 flood control structures in place that this would have been a disastrous flood. We are glad to report that all structures withstood the storm and there was only minor damage on one spillway. Site 24 has been developed into a major recreation area. There are 42 surface acres in this site.

Squaw Creek Watershed (Comanche County)

Sponsors: City of Lawton  
Comanche County Board of Commissioners  
Comanche County Conservation District

Size: 7,940 acres

Authorized for Planning: April 23, 1962

Authorized for Operations: December 10, 1962

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$243,546
b. Other	<u>61,480</u>
Total	\$305,026

Land Treatment:

- a. Percent of land adequately treated: 75
- b. Percent of planned measures applied: 78

Watershed Problems:

Floodwater and sediment damage to agricultural land, roads and bridges

Project Purpose:

Flood prevention

Structural Measures Planned:

4.8 miles of channel improvement

Structural Measures Installed:

4.8 miles of channel improvement

Easement Status:

All easements (10) have been obtained

Acres Flood Plain Protected by Project: 1,917

Effectiveness of Project:

Flooding has not occurred on land adjacent to the improved channel while flooding occurred in the city of Lawton where the channel was not improved.



Stillwater Creek Watershed (Payne, Noble and Logan Counties)

Sponsors: Stillwater Creek Conservancy District No. 16  
Payne County Conservation District  
Noble County Conservation District  
Logan County Conservation District  
City of Stillwater

Size: 177,216 acres

Authorized for Planning: September 26, 1960

Authorized for Operations: October 11, 1963

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$3,251,961
b. Other	3,753,446
Total	<u>\$7,005,407</u>

Land Treatment:

- a. Percent of land adequately treated: 81
- b. Percent of planned measures applied: 84

Watershed Problems:

Floodwater and sediment damage to urban areas, agricultural land, flood plain scour and erosion  
Need for municipal water and recreation for city of Stillwater  
Need for water supply and irrigation water supply

Project Purposes:

Flood prevention, municipal water, irrigation and recreation

Structural Measures Planned:

- 47 floodwater retarding structures
- 5 multipurpose structures with irrigation water supply
- 1 multipurpose structure with municipal water supply and recreation
- 1 multipurpose structure with municipal water supply
- 6.3 miles stream channel improvement

Structural Measures Installed:

- 2 multipurpose structures
- 20 floodwater retarding structures

Easement Status:

Two additional sites are cleared for construction. Of those sites yet to be constructed, 30 of 133 total easements secured and 5 of 53 total rights-of-way secured

Acres Flood Plain Protected by Project: 10,553

Effectiveness of Project:

Multipurpose structure with municipal water supply is completed. Recreation facilities are under construction. No flooding occurred during fiscal year 1972. Maintenance of the structure is very good.

Tri-County Turkey Creek Watershed (Jackson, Harmon and Greer Counties)

Sponsors: Jackson County Conservation District  
Harmon County Conservation District  
Greer County Conservation District  
Tri-County Turkey Creek Conservancy District

Size: 196,400 acres

Authorized for Planning: March 13, 1961

Authorized for Operations: August 29, 1963

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,997,840
b. Other	<u>1,946,007</u>
Total	\$4,943,847

Land Treatment:

- a. Percent of land adequately treated: 54
- b. Percent of planned measures applied: 73

Watershed Problems:

Floodwater and sediment damage to agricultural land

Project Purposes:

Flood prevention  
Recreation  
Recharge underground water supply in irrigated areas

Structural Measures Planned:

- 42 floodwater retarding structures (originally 41; site 5 now 5A and 5B)
- 0 miles of channel improvement (originally 13.2 miles and revised)

Structural Measures Installed:

- 25 floodwater retarding structures completed
- 2 floodwater retarding structures under construction (sites 1A and 6, dirt work complete, vegetation in progress)

Easement Status:

- Total easements on impounding structures - 140
- Total still needed - 33

Acres Flood Plain Protected by Project: 12,328

Effectiveness of Project:

All structures functioning properly. Benefits from completed structures have been noted. Site 7 provides water for supplemental irrigation. Site 3 in Harmon County has been furnishing good fishing in spite of the severe dry weather the past 2 years. All the other structures in Harmon and Jackson Counties went dry in 1970 and 1971. Many were stocked with fish and will be restocked.



Uncle John Creek Watershed (Canadian and Kingfisher Counties)

Sponsors: East Canadian County Conservation District  
Kingfisher County Conservation District

Size: 99,584 acres

Authorized for Planning: April 13, 1964

Authorized for Operations: July 14, 1965

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,822,313
b. Other	<u>936,706</u>
Total	\$2,759,019

Land Treatment:

- a. Percent of land adequately treated: 90
- b. Percent of planned measures applied: 85

Watershed Problems:

Floodwater and sediment damage to agricultural lands, county roads, bridges, and city of Kingfisher

Project Purposes:

Flood prevention

Structural Measures Planned:

14 floodwater retarding structures

Structural Measures Installed:

6 floodwater retarding structures

Easement Status:

Four sites are cleared for construction. One landrights easement has been secured on two sites yet to be cleared;  
79 of 87 landrights easements needed have been secured

Acres Flood Plain Protected by Project: 5,344

Effectiveness of Project:

This project, when complete, will provide flood protection to 5,344 acres of highly productive bottom land, as well as many county and state highway bridges and roads. Major benefits will be received by private and public properties in the city of Kingfisher. Some of the completed structures are now open to fishing on the honor box system, a charge of \$1 per person per day. They are providing recreation to as many as 75 people per day on weekends and during holidays. The lakes are also used for skiing, boating and picnic areas.

Upper Bayou Creek Watershed (Carter and Love Counties)

Sponsors: Arbuckle Conservation District  
Love County Conservation District

Size: 119,680 acres

Authorized for Planning: June 26, 1971

Authorized for Operations: June 17, 1964

Project Reactivated: March 1971

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,383,169
b. Other	<u>1,499,361</u>
Total	\$3,882,530

Land Treatment:

a. Percent of land adequately treated: 60

b. Percent of planned measures applied: 70

Watershed Problems:

Floodwater and sediment damage, erosion damage, need for  
municipal and recreation water for the city of Healdton

Project Purposes:

Flood prevention, recreation, and municipal water

Structural Measures Planned:

1 multipurpose structure with recreation and municipal water

21 floodwater retarding structures

Structural Measures Installed:

None

Easement Status:

69 of a total of 168 easements obtained

Acres Flood Plain Protected by Project: 9,178

Effectiveness of Project:

No structures installed to date

Upper Black Bear Creek Watershed (Noble, Garfield and Pawnee  
Counties)

Sponsors: Noble County Conservation District  
Garfield County Conservation District  
Pawnee County Conservation District  
Black Bear Conservancy District  
City of Perry

Size: 241,546 acres

Authorized for Planning: June 6, 1958

Authorized for Operations: August 29, 1960

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,672,846
b. Other	<u>1,851,709</u>
Total	\$4,524,555

Land Treatment:

- a. Percent of land adequately treated: 75
- b. Percent of planned measures applied: 78

Watershed Problems:

Sediment and floodwater damages to agricultural lands,  
county roads and bridges

Need for municipal water for towns of Perry and Lucien

Project Purposes:

Flood prevention and municipal water

Structural Measures Planned:

- 1 multipurpose structure with municipal water
- 75 floodwater retarding structures

Structural Measures Installed:

- 1 multipurpose structure with municipal water
- 52 floodwater retarding structures, 5 under construction

Easement Status:

- 5 sites are presently under construction, three additional  
sites are cleared for construction. Of those sites yet to  
be constructed, 40 of 102 easements have been secured and  
3 of 25 rights-of-way secured

Acres Flood Plain Protected by Project: 14,309

Effectiveness of Project:

Multipurpose sites furnish additional water supply for the  
city of Perry as well as recreation, and rural water district  
water supply for the town of Lucien. Of the two new sites  
constructed last year, one is leased to a Sportsmen Club and  
one to a manufacturing company for recreation and fishing.



Upper Clear Boggy Watershed (Pontotoc, Coal and Johnston Counties)

Sponsors: Pontotoc County Conservation District  
Coal County Conservation District  
Johnston County Conservation District  
Upper Clear Boggy Conservancy District

Size: 162,240 acres

Authorized for Planning: April 30, 1957

Authorized for Operations: September 2, 1959

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$2,349,482
b. Other	2,216,572
Total	<u>\$4,566,054</u>

Land Treatment:

- a. Percent of land adequately treated: 75
- b. Percent of planned measures applied: 72

Watershed Problems:

Upper Clear Boggy and its tributaries are subject to severe flooding, has occurred as often as 5 times in some years

Project Purposes:

Flood prevention

Structural Measures Planned:

54 floodwater retarding structures

Structural Measures Installed:

45 floodwater retarding structures

Easement Status:

Easements and rights-of-way valued at \$171,640 have been obtained from 216 landowners

Acres of Flood Plain Protected by Project: 12,403

Effectiveness of Projects:

There was flooding of Upper Clear Boggy Watershed in the fall of 1970 where a major storm occurred during the month of October. The depth of flooding was 1 to 4 feet. This was a storm of 50-year frequency, and a few sites discharged through the spillways. Landowners and sponsors feel that when the project is completed that flooding will be of a minor nature. No structures were damaged due to this storm. Site 34 has been developed into a major recreation area. There are now 40 trailer homes near the site and the fact that this site is open for fishing, boating and swimming has had a great deal to do with the success of the trailer court operation. In addition, the owner is using water for his nursery, another source of income. A 9-hole golf course has been developed around Site 40, along with a housing project. There has already been \$300,000 of private money spent here and when the housing addition is completed, there will be \$2,000,000 of private money expended. Here are two examples of benefits to be derived from sites other than flood control.



Upper Elk Creek Watershed (Beckham, Washita and Kiowa Counties)

Sponsors: North Fork of Red River Conservation District  
Kiowa County Conservation District  
Town of Sentinel  
City of Elk City

Size: 248,340 acres

Authorized for Planning: August 9, 1963

Authorized for Operations: September 10, 1965

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$4,660,291
b. Other	3,100,431
Total	<u>\$7,760,722</u>

Land Treatment:

a. Percent of land adequately treated: 67  
b. Percent of planned measures applied: 80

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Need for municipal recreation for the town of Sentinel and  
the city of Elk City

Project Purposes:

Floodwater prevention and recreation

Structural Measures Planned:

2 multipurpose structures for recreation  
45 floodwater retarding structures  
9.7 miles channel improvement

Structural Measures Installed:

18 floodwater retarding structures  
1 multipurpose structure

Easement Status:

10 additional sites are cleared for construction and 131 of 170  
easements have been obtained  
8 sites need only one easement each to be cleared  
6 sites need only two easements each to be cleared  
Bonds sold and money on hand for other recreational site  
(Site 2)

Acres of Flood Plain protected by Project: 25,613

Effectiveness of Project:

Structures 32, 33, 34, 38, 8, 10, 12, and 13 were in place when  
four inches of rain fell on October 9, 1968, and there was no  
flooding below these sites. Structures 8, 10, 12, 13, 15, 16,  
17, 19, 20, 27, 28, 32, 33, 34 and 38 were in place when five  
inches of rain fell in a 24-hour period May 6, 1969. There  
was no flooding below these sites and flooding on the watershed  
was greatly reduced. Structures 8, 10, 11, 12, 13, 15, 16, 17,  
18, 19, 20, 22, 25, 27, 28, 32, 33, 34, and 38 were in place when  
four inches of rain fell on the watershed on June 13, 1972, and  
there was no flooding on watershed below these sites. Sites 13,  
32 and 38 were used for fishing. Twenty acres of alfalfa were  
irrigated from site 32 at one time.

Upper Red Rock Creek Watershed (Garfield and Noble Counties)

Sponsors: Garfield County Conservation District  
Noble County Conservation District  
Red Rock Conservancy District

Size: 197,376 acres

Authorized for Planning: June 6, 1958

Authorized for Operations: August 17, 1961

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,985,844
b. Other	<u>1,837,455</u>
Total	\$3,823,299

Land Treatment:

a. Percent of land adequately treated: 72  
b. Percent of planned measures applied: 73

Watershed Problems:

Sediment and floodwater damage to agricultural and  
nonagricultural land and to roads and bridges

Project Purposes:

Flood Prevention

Structural Measures Planned:

56 floodwater retarding structures

Structural Measures Installed:

31 floodwater reatarding structures

Easement Status:

2 sites are cleared for construction. On the remaining  
sites to be constructed, 32 of 157 easements have been  
secured and 3 of 44 rights-of-way have been secured

Acres Flood Plain Protected by Project: 14,911

Effectiveness of Project:

No flooding occurred during the report year; however, no  
unusually heavy rains occurred. Flooding is still expected  
to occur on main stem and on tributaries where sites are  
not installed. Sponsors planted willows on Site No. 6 to  
try to protect front slope from wave action damage. Due to  
the construction of a new site, one landowner below the site  
is now going to keep his land he had intended to sell due  
to erosion problems.

Waterfall-Gilford Watershed (McCurtain County)

Sponsors: Little River Conservation District  
Waterfall-Gilford Flood Control and Soil Conservancy  
District

Size: 43,410 acres

Authorized for Planning: March 13, 1961

Authorized for Operations: August 29, 1963

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$1,178,066
b. Other	<u>1,431,292</u>
Total	\$2,609,358

Land Treatment:

- a. Percent of land adequately treated: 60
- b. Percent of planned measures applied: 60

Watershed Problems:

Floodwater and sediment damage to agricultural land

Erosion damage

Drainage

- a. Outlets are needed for onfarm open drainage systems  
Excessive runoff delays plant development and delays  
harvest
- b. Stagnant lakes and pools provide breeding places for  
mosquitoes and other vector insects

Project Purposes:

Flood prevention

Drainage

Erosion control

Structural Measures Planned:

12 floodwater retarding structures

68 miles of channel improvement

Structural Measures Installed:

6 floodwater retarding structures

Easement Status:

3 additional sites are cleared for construction and 203 of 217  
easements secured. Six easements have expired due to lag in  
construction progress

Acres Flood Plain Protected by Project: 28,000

Effectiveness of Project:

All structures have performed as planned. Flooding occurred  
during December 1971. Two structures lacked less than one  
foot of flowing through emergency spillway. Existing  
structures prevented an estimated \$6,000 loss in fence damage,  
roads, etc., this year. Site No. 7 was stocked with bass  
and bluegill this year. All sites are now stocked with fish  
and are being used for recreational purposes. These sites  
provide approximately 300 man-days of fishing per year.





PROJECTS APPROVED FOR OPERATIONS (INACTIVE)  
PL-566



Bixby Conservancy District No. 25 Watershed (Tulsa County)

Sponsors: Arkansas-Verdigris Conservation District  
Bixby Conservancy District No. 25

Size: 3,790 acres

Authorized for Planning: August 9, 1963

Authorized for Operations: August 27, 1964

Structural Measures Planned:

8.6 miles channel improvement

Structural Measures Installed:

None

Became Inactive: August 27, 1966

Cache Creek Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District  
Cache Bottom Conservancy District

Size: 12,535 acres

Authorized for Planning: April 25, 1960

Authorized for Operations: January 19, 1961

Structural Measures Planned:

19.6 miles channel improvement

Structural Measures Installed:

None

Became Inactive: June 25, 1963

Dumpling-Beaver Creeks Watershed (Pushmataha and Choctaw Counties)

Sponsors: Pushmataha Conservation District  
Kiamichi Conservation District  
Dumpling-Beaver Creeks Conservancy District  
Town of Antlers

Size: 39,674

Authorized for Planning: June 29, 1964

Authorized Operations: April 1, 1969

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$981,598
b. Other	559,177
Total	<u>\$1,540,775</u>

Land Treatment:

- a. Percent of land adequately treated: 73
- b. Percent of planned measures applied: 87

Watershed Problems:

Floodwater and sediment damage to agricultural land  
Erosion  
County roads and bridges  
Need for municipal water and recreation for Town of  
Antlers and surrounding rural water districts

Project Purposes:

Flood Prevention  
Recreation  
Municipal water  
Rural water

Structural Measures Planned:

9 floodwater retarding structures  
1 multipurpose structure with recreation, municipal water  
and rural water  
8.49 miles channel improvement

Structural Measures Installed:

None

Easement Status:

15 of 97 easements have been secured  
1 channel easement and 9 impoundment structure easements  
are needed to clear sites 8 and 9, and channels 1 and 2

Acres Flood Plain Protected by Project: 2,893

Effectiveness of Project:

No structures have been built as of this date

Became Inactive: February 28, 1972



Haikey Creek Watershed (Tulsa County)

Sponsors: Arkansas-Verdigris Soil Conservation District  
Haikey Creek Conservancy District

Size: 24,872 acres

Authorized for Planning: June 6, 1958

Authorized for Operations: July 31, 1961

Structural Measures Planned:

8 floodwater retarding structures

3.7 miles channel improvement

Structural Measures Installed:

None

Became Inactive: June 25, 1963

Long Branch Creek Watershed (Payne and Noble Counties)

Sponsors: Noble County Conservation District  
Payne County Conservation District  
Black Bear Conservancy District

Size: 28,160 acres

Authorized for Planning: January 25, 1965

Authorized for Operations: June 21, 1956

Structural Measures Planned:

11 floodwater retarding structures

Structural Measures Installed:

8 floodwater retarding structures

Became Inactive: June 25, 1963

Squirrel Creek Watershed (Pottawatomie County)

Sponsors: Squirrel Creek Conservancy District  
Shawnee Conservation District

Size: 16,128 acres

Authorized for Planning: March 12, 1962

Authorized for Operations: September 14, 1964

Estimated Total Cost of Project:

a. Public Law 566 Funds	\$387,878
b. Other	<u>207,410</u>
Total	\$595,288

Land Treatment:

- a. Percent of land adequately treated: 66
- b. Percent of planned measures applied: 60

Watershed Problems:

Floodwater and sediment damage to agricultural land

Project Purposes:

Watershed Protection  
Flood prevention

Structural Measures Planned:

7 floodwater retarding structures  
3.4 miles channel improvement

Structural Measures Installed:

None

Easement Status:

Due to increasing land values and homesite development in the area, which is in close proximity to Shawnee and Tecumseh, Oklahoma, the local sponsoring organizations have not been able to make much progress toward land acquisition

Acres Flood Plain Protected by Project: 2,024

Effectiveness of Project:

No structures installed to date

Became Inactive: September 22, 1970

Upper Blue River Watershed (Atoka, Bryan, Johnston, Murray and Pontotoc Counties)

Sponsors: Pontotoc County Conservation District  
Johnston County Conservation District  
Bryan County Conservation District  
Atoka County Conservation District  
Murray County Conservation District

Size: 203,100 acres

Authorized for Planning: April 25, 1960

Authorized for Operations: October 2, 1962

Structural Measures Planned:

74 floodwater retarding structures

Structural Measures Installed:

None

Became Inactive: September 30, 1968

Wagon Creek Watershed (Alfalfa and Grant Counties)

Sponsors: Wagon Creek Conservancy District  
Alfalfa County Conservation District  
Grant County Conservation District

Size: 36,900

Authorized for Planning: September 11, 1959

Authorized for Operations: June 8, 1962

Structural Measures Planned:

12 floodwater retarding structures

10.6 miles channel improvement

Structural Measures Installed:

None

Became Inactive: August 27, 1966





PROJECTS AUTHORIZED FOR PLANNING ASSISTANCE  
PL-566



**Big Beaver Creek Watershed** (Cotton, Comanche, Stephens and Grady Counties)

**Sponsors:** Cotton County Conservation District  
Comanche County Conservation District  
Stephens County Conservation District

**Size:** 177,000 acres

**Authorized for Planning:** February 12, 1968

**Status:** Planning is 65 percent complete

**Cow Creek Watershed** (Stephens and Jefferson Counties)

**Sponsors:** Stephens County Conservation District  
Jefferson County Conservation District  
City of Duncan  
Cow Creek Conservancy District

**Size:** 122,880 acres

**Authorized for Planning:** July 3, 1967

**Status:** Tentative draft is being reviewed

**Kickapoo Nations Watershed** (Lincoln and Oklahoma Counties)

**Sponsors:** Lincoln County Conservation District  
Oklahoma County Conservation District  
Kickapoo Nations Conservancy District  
City of Chandler  
Town of Wellston

**Size:** 165,300 acres

**Authorized for Planning:** February 24, 1969

**Status:** Planning is 73 percent complete

**Little Beaver Creek Watershed** (Stephens, Grady, Cotton and Comanche Counties)

**Sponsors:** Stephens County Conservation District  
Grady County Conservation District  
Cotton County Conservation District  
Comanche County Conservation District

**Size:** 124,800 acres

**Authorized for Planning:** July 22, 1969

**Status:** Planning is 25 percent complete

McKinney-Buzzard Creek Watershed (McCurtain County)

Sponsors: Valliant Conservation District  
McKinney-Buzzard Conservancy District

Size: 13,865 acres

Authorized for Planning: September 9, 1968

Status: Planning is 72 percent complete

Pott-Sem-Turkey Creek Watershed (Seminole and Pottawatomie Counties)

Sponsors: Seminole County Conservation District  
Shawnee Conservation District

Size: 34,560 acres

Authorized for Planning: April 7, 1969

Status: Planning is 65 percent complete

Sans Bois Creek Watershed (Haskell, Latimer, and Pittsburg Counties)

Sponsors: Haskell Conservation District  
Latimer Conservation District  
Pittsburg County Conservation District

Size: 205,000 acres

Authorized for Planning: July 27, 1970

Status: Planning is 14 percent complete

Upper Muddy Boggy Creek Watershed (Pontotoc, Coal, Hughes and  
Pittsburg Counties)

Sponsors: Coal County Conservation District  
Hughes County Conservation District  
Pontotoc County Conservation District  
Pittsburg County Conservation District

Size: 198,000 acres

Authorized for Planning: December 18, 1967

Status: Planning is 96 percent complete



Norwood Creek Watershed (McCurtain County)

Sponsors: Little River Soil Conservation District

Size: 41,600 acres

Authorized for Planning: November 4, 1968

Status: Planning has been suspended

Upper Little River Watershed (Cleveland County)

Sponsors: Cleveland County Conservation District  
Upper Little River Conservancy District

Size: 77,500 acres

Authorized for Planning: November 22, 1965

Status: Planning has been terminated



APPLICATIONS APPROVED BY THE  
OKLAHOMA CONSERVATION COMMISSION  
PL-566





Atwood-Calvin Tributaries (Hughes County)

Sponsors: Hughes County Conservation District  
Size: 72,000 acres

Birds Nest Creek Watershed (Kay and Noble Counties)

Sponsors: Noble County Conservation District  
Western Kay County Conservation District  
Size: 24,500 acres

Bitter Creek Watershed (Kay County)

Sponsors: Western Kay County Conservation District  
Size: 63,320 (in Oklahoma)

Black Fork Creek Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District  
Size: 50,160 acres (in Oklahoma)

Bois D'Arc-Cowskin Creeks Watershed (Kay County)

Sponsors: Western Kay County Conservation District  
Arkansas River-Kay County Conservation District  
Size: 80,000 acres

Brazil Creek Watershed (Latimer, LeFlore and Haskell Counties)

Sponsors: LeFlore County Conservation District  
Latimer County Conservation District  
Haskell County Conservation District  
Size: 152,100 acres

Buffalo Creek Watershed (Latimer and Pushmataha Counties)

Sponsors: Talihina Conservation District  
Latimer County Conservation District  
Size: 49,000 acres

Campbell Creek Watershed (Kingfisher County)

Sponsors: Kingfisher County Conservation District  
Size: 41,420 acres

Central Little River Watershed (Cleveland, Pottawatomie and Seminole Counties)

Sponsors: Shawnee Conservation District  
Konawa Conservation District  
Cleveland County Conservation District  
Size: 220,168 acres

Coal Creek Watershed (Pittsburg and Hughes Counties)

Sponsors: Hughes County Conservation District  
Pittsburg County Conservation District  
Size: 132,000 acres

Combined Creeks Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District  
Size: 98,048 acres (in Oklahoma)

Coody Creek Watershed (Muskogee County)

Sponsors: Muskogee County Conservation District  
Size: 33,330 acres

Cottonwood Canyon Watershed (Alfalfa County)

Sponsors: Alfalfa County Conservation District

Size: 36,000 acres

Dirty Creek Watershed (Muskogee and McIntosh Counties)

Sponsors: Muskogee County Conservation District  
Checotah Conservation District

Size: 215,000 acres

Duck and Snake Creeks Watershed (Okmulgee, Tulsa and Creek Counties)

Sponsors: Okmulgee County Conservation District  
Creek County Conservation District  
Tulsa County Conservation District

Size: 115,540 acres

Georges Fork Creek Watershed (McIntosh and Muskogee Counties)

Sponsors: Checotah Conservation District  
Muskogee County Conservation District

Size: 38,920 acres

Holston-Reichert-Conser Creeks Watershed (LeFlore County)

Sponsors: LeFlore County Conservation District

Size: 97,792 acres

Hominy Creek Watershed (Osage and Tulsa Counties)

Sponsors: Osage County Conservation District  
Tulsa County Conservation District

Size: 248,636 acres

Houston Creek Watershed (Woods County)

Sponsors: Woods County Conservation District

Size: 18,000 acres

Hoyle Creek Watershed (Major County)

Sponsors: Major County Conservation District

Size: 36,768 acres

J. V. Flats (Revised) (Dewey County)

Sponsors: Dewey County Conservation District

Size: 4,870 acres

Kingfisher Creek Watershed (Kingfisher, Canadian and Blaine Counties)

Sponsors: Kingfisher County Conservation District  
Central North Canadian River Conservation District  
Blaine County Conservation District  
East Canadian County Conservation District  
Cimarron Valley Conservation District

Size: 215,000 acres

Lower Beaver Creek Watershed (Jefferson, Cotton and Stephens Counties)

Sponsors: Jefferson County Conservation District  
Stephens County Conservation District  
Cotton County Conservation District

Size: 124,900 acres



Lower Big Cabin Creek Watershed (Ottawa, Craig, Mayes and  
Delaware Counties)

Sponsors: Craig County Conservation District

Size: 146,944 acres

Lower Bird Creek Watershed (Osage, Tulsa, Rogers and  
Washington Counties)

Sponsors: Osage County Conservation District

Tulsa County Conservation District

Size: 244,050 acres

Lower Blue River Watershed (Bryan, Atoka and Johnston Counties)

Sponsors: Bryan Conservation District

City of Durant

Size: 236,032 acres

Lower Caney River Watershed (Osage, Washington, Rogers and  
Tulsa Counties)

Sponsors: Caney Valley Conservation District

Rogers County Conservation District

Osage County Conservation District

Tulsa County Conservation District

Oklahoma Conservancy District No. 26

Size: 152,940 acres

Lower Skeleton Creek Watershed (Logan, Kingfisher and Garfield  
Counties)

Sponsors: Garfield County Conservation District

Logan County Conservation District

Size: 154,200 acres

Lukfata Creek Watershed (McCurtain County)

Sponsors: Little River Conservation District

Size: 34,458 acres

Middle Muddy Boggy Creek Watershed (Coal, Pittsburg and Atoka  
Counties)

Sponsors: Coal County Conservation District  
Atoka County Conservation District  
Pittsburg County Conservation District

Size: 149,000 acres

Perkins Laterals (Logan, Lincoln and Payne Counties)

Sponsors: Payne County Conservation District  
Lincoln County Conservation District  
Logan County Conservation District

Size: 61,800 acres

Robinson Creek Watershed (Lincoln County)

Sponsors: Lincoln County Conservation District

Size: 40,320 acres

Sand Creek Watershed (Major County)

Sponsors: Major County Conservation District

Size: 35,000 acres

Sand-Hogshooter Creeks Watershed (Nowata, Osage and  
Washington Counties)

Sponsors: Osage County Conservation District  
Caney Valley Conservation District  
Nowata County Conservation District  
Oklahoma Conservancy District No. 26

Size: 242,560 acres

Six Mile Creek Watershed (Canadian County)

Sponsors: Central North Canadian River Conservation District

Size: 20,160 acres

Turkey Creek Watershed (Garfield, Alfalfa, Major and  
Kingfisher Counties)

Sponsors: Garfield County Conservation District  
Alfalfa County Conservation District  
Major County Conservation District  
Kingfisher County Conservation District

Size: 239,000 acres

Turkey-Boggy Creek Watershed (Woods County)

Sponsors: City of Alva  
Woods County Conservation District  
East Woods County Conservation District

Size: 37,900 acres

Upper Big Cabin Creek Watershed (Craig and Mayes Counties)

Sponsors: Craig County Conservation District

Size: 143,144 acres

Upper Bird Creek Watershed (Osage, Tulsa, Rogers and Washington Counties)

Sponsors: Tulsa County Conservation District  
Osage County Conservation District

Size: 248,790 acres

Upper Skeleton Creek Watershed (Kingfisher, Garfield and Logan Counties)

Sponsors: Kingfisher County Conservation District  
Logan County Conservation District  
Garfield County Conservation District

Size: 247,800 acres

Walnut Bayou Watershed (McCurtain County)

Sponsors: Little River Conservation District

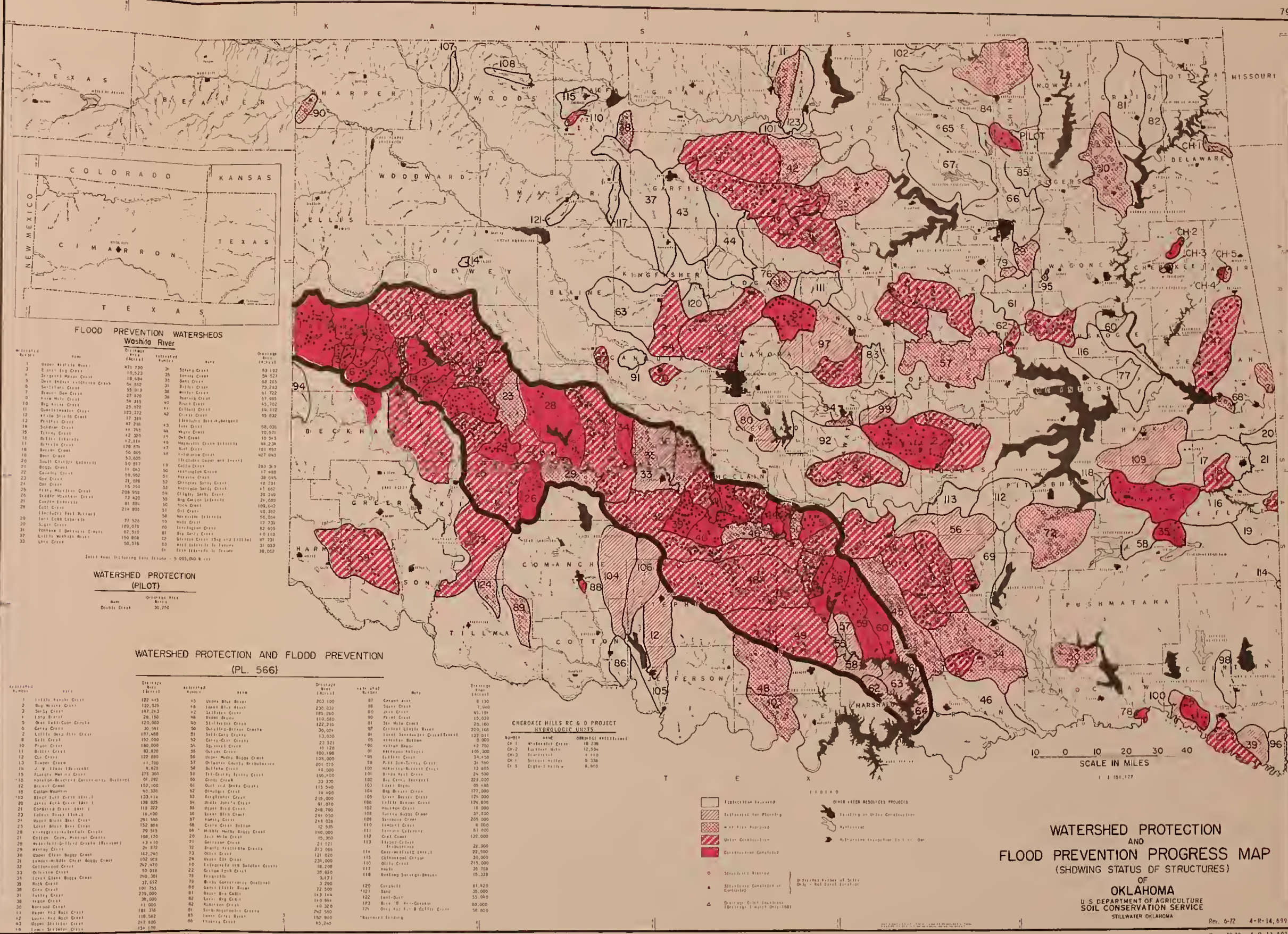
Size: 42,750 acres

Whiskey Creek Watershed (Cotton and Jefferson Counties)

Sponsors: Cotton County Conservation District  
Jefferson County Conservation District

Size: 45,240 acres





FLOOD PREVENTION WATERSHEDS

Washita River

Watershed Number	Name	Drainage Area (Acres)	Population	Notes	Overhead Pipe (Feet)
1	Good Hope Creek	10,520	36	Safety Creek	53,192
2	Big Washita Creek	18,684	30	Lower Creek	54,521
3	Upper Washita Creek	54,852	31	Upper Creek	53,523
4	Lower Washita Creek	53,813	36	Lower Creek	73,243
5	Big Washita Creek	27,820	36	Upper Creek	51,722
6	Big Washita Creek	25,922	41	Lower Creek	57,953
7	Big Washita Creek	123,372	42	Upper Creek	16,812
8	Big Washita Creek	17,381	42	Lower Creek	55,532
9	Big Washita Creek	47,218	43	Upper Creek	70,371
10	Big Washita Creek	44,740	44	Lower Creek	56,030
11	Big Washita Creek	42,320	45	Upper Creek	10,543
12	Big Washita Creek	42,314	46	Lower Creek	48,234
13	Big Washita Creek	178,676	47	Upper Creek	101,957
14	Big Washita Creek	56,805	48	Lower Creek	427,043
15	Big Washita Creek	53,605	49	Upper Creek	50,554
16	Big Washita Creek	50,817	50	Lower Creek	263,343
17	Big Washita Creek	14,043	51	Upper Creek	17,488
18	Big Washita Creek	18,952	52	Lower Creek	38,045
19	Big Washita Creek	21,098	53	Upper Creek	16,781
20	Big Washita Creek	16,354	54	Lower Creek	41,662
21	Big Washita Creek	208,958	55	Upper Creek	20,349
22	Big Washita Creek	73,420	56	Lower Creek	24,589
23	Big Washita Creek	81,884	57	Upper Creek	105,042
24	Big Washita Creek	214,895	58	Lower Creek	50,262
25	Big Washita Creek	77,520	59	Upper Creek	50,554
26	Big Washita Creek	189,078	60	Lower Creek	17,730
27	Big Washita Creek	87,510	61	Upper Creek	82,655
28	Big Washita Creek	150,808	62	Lower Creek	10,110
29	Big Washita Creek	56,516	63	Upper Creek	87,731
30	Big Washita Creek	81	64	Lower Creek	21,633

Notes: 1. Watershed Protection (Pilot) - 5,000,000 ft. 2. Watershed Protection (Pilot) - 5,000,000 ft.

WATERSHED PROTECTION (PILOT)

Watershed Number	Name	Drainage Area (Acres)
1	Double Creek	30,220

WATERSHED PROTECTION AND FLOOD PREVENTION

(PL. 566)

Watershed Number	Name	Drainage Area (Acres)	Population	Notes	Overhead Pipe (Feet)
1	Little Washita Creek	122,445	45	Upper Washita Creek	202,100
2	Big Washita Creek	122,525	46	Lower Washita Creek	230,022
3	Big Washita Creek	147,243	47	Upper Washita Creek	185,280
4	Big Washita Creek	26,150	48	Lower Washita Creek	110,560
5	Big Washita Creek	120,000	49	Upper Washita Creek	122,215
6	Big Washita Creek	30,541	50	Lower Washita Creek	30,024
7	Big Washita Creek	187,468	51	Upper Washita Creek	12,020
8	Big Washita Creek	150,000	52	Lower Washita Creek	23,321
9	Big Washita Creek	180,000	53	Upper Washita Creek	10,128
10	Big Washita Creek	83,820	54	Lower Washita Creek	100,198
11	Big Washita Creek	122,820	55	Upper Washita Creek	108,000
12	Big Washita Creek	11,700	56	Lower Washita Creek	201,375
13	Big Washita Creek	8,400	57	Upper Washita Creek	10,110
14	Big Washita Creek	175,365	58	Lower Washita Creek	106,410
15	Big Washita Creek	61,290	59	Upper Washita Creek	33,330
16	Big Washita Creek	150,100	60	Lower Washita Creek	115,940
17	Big Washita Creek	40,330	61	Upper Washita Creek	14,990
18	Big Washita Creek	133,114	62	Lower Washita Creek	126,000
19	Big Washita Creek	138,825	63	Upper Washita Creek	126,800
20	Big Washita Creek	118,229	64	Lower Washita Creek	18,000
21	Big Washita Creek	16,150	65	Upper Washita Creek	37,100
22	Big Washita Creek	281,540	66	Lower Washita Creek	205,000
23	Big Washita Creek	152,808	67	Upper Washita Creek	8,000
24	Big Washita Creek	79,515	68	Lower Washita Creek	87,800
25	Big Washita Creek	108,170	69	Upper Washita Creek	15,360
26	Big Washita Creek	43,410	70	Lower Washita Creek	102,000
27	Big Washita Creek	24,872	71	Upper Washita Creek	22,000
28	Big Washita Creek	102,928	72	Lower Washita Creek	22,500
29	Big Washita Creek	240,470	73	Upper Washita Creek	30,000
30	Big Washita Creek	50,018	74	Lower Washita Creek	215,000
31	Big Washita Creek	240,301	75	Upper Washita Creek	30,708
32	Big Washita Creek	37,632	76	Lower Washita Creek	15,328
33	Big Washita Creek	101,753	77	Upper Washita Creek	81,320
34	Big Washita Creek	225,000	78	Lower Washita Creek	35,000
35	Big Washita Creek	38,000	79	Upper Washita Creek	85,000
36	Big Washita Creek	181,310	80	Lower Washita Creek	242,500
37	Big Washita Creek	118,582	81	Upper Washita Creek	152,940
38	Big Washita Creek	217,400	82	Lower Washita Creek	85,240
39	Big Washita Creek	154,100	83	Upper Washita Creek	

CHEROKEE HILLS R.C. & D. PROJECT

HYDROLOGIC UNITS

Watershed Number	Name	Drainage Area (Acres)	Population	Notes	Overhead Pipe (Feet)
1	Cherokee Hills	8,130	87	Cherokee Hills	8,130
2	Cherokee Hills	7,940	88	Cherokee Hills	7,940
3	Cherokee Hills	45,181	89	Cherokee Hills	45,181
4	Cherokee Hills	15,038	90	Cherokee Hills	15,038
5	Cherokee Hills	20,160	91	Cherokee Hills	20,160
6	Cherokee Hills	220,168	92	Cherokee Hills	220,168
7	Cherokee Hills	0,000	93	Cherokee Hills	0,000
8	Cherokee Hills	12,000	94	Cherokee Hills	12,000
9	Cherokee Hills	105,300	95	Cherokee Hills	105,300
10	Cherokee Hills	34,458	96	Cherokee Hills	34,458
11	Cherokee Hills	3,450	97	Cherokee Hills	3,450
12	Cherokee Hills	13,885	98	Cherokee Hills	13,885
13	Cherokee Hills	24,500	99	Cherokee Hills	24,500
14	Cherokee Hills	228,000	100	Cherokee Hills	228,000
15	Cherokee Hills	0,000	101	Cherokee Hills	0,000
16	Cherokee Hills	177,000	102	Cherokee Hills	177,000
17	Cherokee Hills	126,000	103	Cherokee Hills	126,000
18	Cherokee Hills	126,800	104	Cherokee Hills	126,800
19	Cherokee Hills	18,000	105	Cherokee Hills	18,000
20	Cherokee Hills	37,100	106	Cherokee Hills	37,100
21	Cherokee Hills	205,000	107	Cherokee Hills	205,000
22	Cherokee Hills	8,000	108	Cherokee Hills	8,000
23	Cherokee Hills	87,800	109	Cherokee Hills	87,800
24	Cherokee Hills	15,360	110	Cherokee Hills	15,360
25	Cherokee Hills	102,000	111	Cherokee Hills	102,000
26	Cherokee Hills	22,000	112	Cherokee Hills	22,000
27	Cherokee Hills	22,500	113	Cherokee Hills	22,500
28	Cherokee Hills	30,000	114	Cherokee Hills	30,000
29	Cherokee Hills	215,000	115	Cherokee Hills	215,000
30	Cherokee Hills	30,708	116	Cherokee Hills	30,708
31	Cherokee Hills	15,328	117	Cherokee Hills	15,328
32	Cherokee Hills	81,320	118	Cherokee Hills	81,320
33	Cherokee Hills	35,000	119	Cherokee Hills	35,000
34	Cherokee Hills	85,000	120	Cherokee Hills	85,000
35	Cherokee Hills	242,500	121	Cherokee Hills	242,500
36	Cherokee Hills	152,940	122	Cherokee Hills	152,940
37	Cherokee Hills	85,240	123	Cherokee Hills	85,240

Legend for Watershed Protection and Flood Prevention Progress Map:

- Regulation Required
- Anticipated for Planning
- Not Yet Reported
- Under Construction
- Construction Completed

Other Water Resources Projects:

- Existing or Under Construction
- Anticipated
- Referring to Project (S-1) - On

Notes:

- Structure Reported
- Structure Completed or Anticipated
- Drainage District Locations (Drainage District Only)

WATERSHED PROTECTION AND FLOOD PREVENTION PROGRESS MAP (SHOWING STATUS OF STRUCTURES) OF OKLAHOMA U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE STILLWATER, OKLAHOMA







